



**PEST ALERT: COTTON CROP IN SECOND WEEK SEPTEMBER 2020**

Pest situation trends of cotton crop from pest surveillance reports remained as under during the previous week:

**PEST SITUATION TREND OF COTTON CROP**

S/No.	Pest Name	%AGE OF SPOTS						Remarks
		Current Week		Previous Week		Corresponding Week of Last Year		
		AETL	BETL	AETL	BETL	AETL	BETL	
1	WHITEFLY	37.10	61.66	29.02	69.83	18.58	78.27	High & Increasing
2	JASSID	11.48	84.01	11.62	84.97	6.86	85.87	High & Sustaining
3	THRIPS	2.76	88.48	4.32	90.81	2.28	87.59	Decreasing
4	MEALY BUG	24.38	-	22.70	-	16.59	-	<b>Increasing</b>
5	MITES	0.00	1.67	0.00	1.25	0.00	0.44	Low
6	DUSKY COTTON BUG	0.55	29.80	0.14	20.98	0.00	20.04	Sustaining
7	PINK BOLLWORM	8.10	26.45	4.43	22.87	5.21	24.34	<b>Increasing</b>
8	AMERICAN BOLLWORM	0.04	0.55	0.03	0.41	0.04	0.22	Low
9	SPOTTED BOLLWORM	0.04	0.51	0.03	0.57	0.00	0.44	Low
10	ARMYWORM	4.94	-	4.22	-	3.96	-	Sustaining
11	CLCUV	20.39	-	15.17	-	17.99	-	<b>Increasing</b>
<b>TOTAL SPOTS VISITED</b>		<b>2752</b>		<b>AREA SURVEYED (ACRES)</b>		<b>17099</b>		

The spots above ETL have been reported in different area of Cotton Zone as under:

1. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON WHITEFLY					
S/No.	Tehsil	% Hot Spot	S/No.	Tehsil	% Hot Spot
1	JAM PUR	80.0	13	MIAN CHANNU	52.3
2	JATOI	69.7	14	KOT CHUTTA	50.9
3	MULTAN	66.1	15	KABIR WALA	48.8
4	DUYAPUR	65.5	16	A.P.EAST	48.2
5	RAJAN PUR	64.5	17	BAHAWAL PUR	46.7
6	LODHRAN	64.2	18	JAHANIAN	44.4
7	HASILPUR	62.0	19	KEHROR PACCA	44.4
8	SHUJABAD	58.8	20	MAILSI	44.0
9	KHANEWAL	57.4	21	YAZMAN	44.0
10	ROJHAN	56.7	22	TAUNSA	44.0
11	ALI PUR	56.6	23	D.G.KHAN	43.3
12	JALAL PUR P.W	55.0	24	R.Y.KHAN	40.0
2. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF JASSID					
1	CHISHTIAN	30.4	12	KHANEWAL	18.0
2	HASILPUR	29.1	13	KAROR L.E.	17.4
3	FORT ABBAS	26.7	14	TAUNSA	16.0
4	SHUJABAD	23.5	15	HARON ABAD	15.9
5	BAHAWAL NAGAR	22.0	16	DEPALPUR	15.0
6	MINCHAN ABAD	20.9	17	SAHIWAL	14.9
7	JHANG	20.0	18	TANDLIANWALA	14.8
8	MIANWALI	20.0	19	ARIF WALA	14.3
9	PIPLAN	20.0	20	A.P.EAST	14.3
10	LAYYAH	19.5	21	PIR MAHAL	14.3
11	BHAKKAR	18.2	22	BURE WALA	14.0
3. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF THRIPS					
1	TAUNSA	20.0	11	SADIQ ABAD	6.0
2	LAYYAH	17.1	12	JHANG	5.7
3	D.G.KHAN	16.7	13	KOT CHUTTA	5.5
4	A.P.EAST	16.1	14	A.P.SIAL	4.8
5	YAZMAN	12.0	15	MAILSI	4.0
6	MANKERA	10.0	16	MIANWALI	3.3
7	KAROR L.E.	8.7	17	PIPLAN	3.3
8	KHAN PUR	6.8	18	JATOI	3.0
9	BAHAWAL PUR	6.7	19	MUZUFAR GARH	2.0
10	LIAQUAT PUR	6.0	20	CHOBARA	2.0
4. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF MEALY BUG					
1	HASILPUR	55.7	11	CHISHTIAN	37.5
2	JAM PUR	52.0	12	SHUJABAD	37.3
3	DUYAPUR	50.9	13	D.G.KHAN	36.7
4	A.P.EAST	50.0	14	JATOI	36.4
5	ALI PUR	47.2	15	KHANEWAL	36.1
6	R.Y.KHAN	43.3	16	LIAQUAT PUR	36.0
7	LODHRAN	43.3	17	KHAN PUR	35.6
8	YAZMAN	42.0	18	FORT ABBAS	33.3

9	KOT CHUTTA	41.8	19	MAILSI	32.0
10	BAHAWAL PUR	41.7	20	MULTAN	30.5
<b>5. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF DUSKY COTTON BUG</b>					
1	MAILSI	6.0	3	VEHARI	4.0
2	HASILPUR	5.1	4	CHISHTIAN	3.6
<b>6. NO HOT SPOT OF MITES IN ANY TEHSIL</b>					
<b>7. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF ARMY WORM</b>					
1	JATOI	21.2	10	KAROR L.E.	8.7
2	LODHRAN	19.4	11	VEHARI	8.0
3	KEHROR PACCA	18.1	12	BAHAWAL NAGAR	8.0
4	DUYAPUR	12.7	13	JALAL PUR P.W	7.5
5	YAZMAN	12.0	14	KOT CHUTTA	7.3
6	KHANEWAL	11.5	15	A.P.EAST	7.1
7	JAHANIAN	11.1	16	BAHAWAL PUR	6.7
8	CHISHTIAN	10.7	17	R.Y.KHAN	6.7
9	ALI PUR	9.4	18	SADIQ ABAD	6.0
<b>8. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF PINK BOLLWORM</b>					
1	SAHIWAL	23.9	6	LODHRAN	16.4
2	CHICHA WATNI	22.9	7	DUYAPUR	16.4
3	KEHROR PACCA	20.8	8	VEHARI	16.0
4	BURE WALA	20.0	9	ALI PUR	15.1
5	PIR MAHAL	20.0	10	T.T.SINGH	14.9
<b>9. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF AMERICAN BOLLWORM</b>					
1	Kot Chutta	1.8			
<b>10. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF SPOTTED BOLLWORM</b>					
1	R.Y.Khan	1.7			
<b>11. TEHSIL WISE PERCENTAGE OF HOT SPOTS OF COTTON LEAF CURL VIRUS</b>					
1	JATOI	97.0	5	JALAL PUR P.W	75.0
2	SHUJABAD	78.4	6	ALI PUR	62.3
3	VEHARI	78.0	7	KOT ADDU	56.3
4	MULTAN	78.0	8	MAILSI	50.0

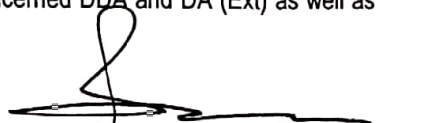
#### GENERAL RECOMMENDATIONS PEST MANAGEMENT OF COTTON CROP

1. Conduct regular pest scouting twice a week for cotton insect pests.
2. Control the pest without delay when population reaches ETL.
3. Use of *Chrysoperla* @ 80-90 cards/acre for sucking pests and Trichogramma cards 5-6 for bollworms.
4. Eradicate weeds in and outside the field especially nearby water channels and fellow lands.
5. Manage the pest on alternate host plants.
6. Avoid water excess or stress to the crop.
7. Use recommended pesticides & dose and repeat with different pesticide chemistry when needed.

#### ECONOMIC THRESHOLD LEVELS OF COTTON INSECT PESTS

Insect Pests	Economic Threshold	Insect Pests	Economic Threshold
Jassid	1 Adult or Nymph per leaf	Whitefly	5 Adults or Nymphs or both per Leaf
Thrips	8-10 Adults or Nymphs per Leaf	Mealy Bug	On Damage Appearance
Mites	On Damage Appearance	Aphid	Visible Damage on Top Terminals.
Spotted Boll Worm	3 Larvae/ 25 Plants.	Pink Boll Worm	5; Larvae /100 Bolls.
American Boll Worm	5 Brown Eggs or 3 Small Larvae or Both 5 per 25 Plants (BT or Non-BT Varieties)	Dusky Cotton Bug	10 per Leaf/Bud
Army Worm	(On Appearance)		

- Details of Hotspots and Below ETL spots can be seen from the reports already emailed by DG AE office to DDAs and ADAs of Agri. Extension wing & from concerned ADAs (PP) and AOs (PP).
- Action taken reports of hot spots from AD AE should be furnished regularly to concerned DDA and DA (Ext) as well as information to the ADAs (PP) of the District without delay.

  
 ( Dr. Muhammad Anjum Ali )  
**DIRECTOR GENERAL**

#### CC:

1. PSO to Minister for Agriculture Punjab, Lahore.
2. PO to Secretary to Government of the Punjab, Agriculture Department, Lahore.
3. Additional Secretary (Task Force) to Government of the Punjab, Agriculture Department, Lahore.
4. Director General Agriculture (Extension & AR) Punjab, Lahore.
5. Chairman PCPA & Crop Life Pakistan Multan and Karachi.
6. Director of Agriculture (Information) Punjab, Lahore.
7. Directors of Agriculture (Extension) and DDAs (PP) of Cotton Zone.
8. Deputy Director of Agriculture (Extension) / Assistant Director (PW) / ADA (Ext) Cotton Zone in Punjab.